

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-23. (Cancelled).

24. (New) A toothbrush head for an electric toothbrush, the toothbrush head comprising a brush head carrier that is releasably connectable to a hand piece of an electric toothbrush, the brush head carrier comprising;

a translator element rotatable about a longitudinal rotation axis within the brush head carrier;

a plurality of bristle supports that carry a respective bristle set and are movably mounted on the brush head carrier; and

a plurality of drive couplers, each drive coupler being coupled to a respective bristle support and eccentrically coupled to the translator element by one or more eccentric drivers, such that each of the bristle supports is oscillated in response to rotation of the translator element.

25. (New) The toothbrush head of claim 24 further comprising a driver pin coupling the eccentric driver to one of the bristle supports.

26. (New) The toothbrush head of claim 25 wherein the driver pin moves in a cylindrical orbit or in a partial orbit in the shape of a cylinder segment relative to the rotation axis of the translator element.

27. (New) The toothbrush head of claim 25 wherein the driver pin moves in a conical orbit or in a partial orbit in the shape of a cone segment relative to the rotation axis of the translator element.

28. (New) The toothbrush head of claim 24 wherein the brush head carrier is non-rotatably coupled to the hand-piece.

29. (New) The toothbrush head of claim 24 wherein each of the bristle supports has its own axis of motion transverse to the longitudinal axis.

30. (New) The toothbrush head of claim 1 wherein the bristle supports include a main bristle support rotatable about an axis of rotation essentially perpendicular to the longitudinal rotation axis of the translator element.

31. (New) The toothbrush head of claim 30 wherein the main bristle support is disposed at a distal end of the brush head carrier.

32. (New) The toothbrush head of claim 30 wherein the bristle supports further include an auxiliary bristle support pivoted about a pivot axis essentially perpendicular to the longitudinal rotation axis of the translator element.

33. (New) The toothbrush head of claim 32 wherein the pivot axis of the auxiliary bristle support is approximately parallel to a plane defined by the auxiliary bristle support.

34. (New) The toothbrush head of claim 1 wherein the bristle supports include an auxiliary bristle support mounted for translational displacement along a motion axis transverse to the longitudinal rotation axis of the translator element.

35. (New) The toothbrush head of claim 34 wherein the motion axis is arranged approximately parallel to a main bristle direction of bristles of the auxiliary bristle support.

36. (New) The toothbrush head according to claim 34 wherein the motion axis is arranged transverse to a longitudinal axis of the toothbrush head and approximately parallel to a plane defined by the auxiliary bristle support.

37. (New) The toothbrush head of claim 24 wherein at least one of the drive couplers is constructed to flex about a joint axis transverse to a longitudinal axis of the toothbrush head.

38. (New) The toothbrush head of claim 24 wherein at least one of the drive couplers is coupled to the eccentric driver with a translational degree of freedom, allowing translational motion in a direction transverse to the longitudinal rotation axis of the translator element.

39. (New) The toothbrush head of claim 38 wherein the eccentric driver is guided within a longitudinally slotted clearance space defined within said at least one of the drive couplers.

40. (New) The toothbrush head of claim 38 wherein one of the bristle supports defines a sliding surface that extends transverse to a longitudinal axis of the toothbrush head and on which the eccentric driver is adapted to slide.

41. (New) The toothbrush head of claim 40 further including a biasing device biasing the sliding surface against the eccentric driver.

42. (New) The toothbrush head of claim 24 wherein at least one of the drive couplers is constructed such that forces and movements are transmitted exclusively in a direction transverse to a longitudinal direction of the toothbrush head.

43. (New) The toothbrush head of claim 42 wherein the drive couplers are free to move in a plane containing a longitudinal direction of the toothbrush head and being force-transmitting in a plane perpendicular thereto.

44. (New) The toothbrush head of claim 24 wherein at least one of the drive couplers is constructed such that forces and movements are transmitted in a direction transverse to a longitudinal direction of the toothbrush head and forces are transmitted in the longitudinal direction of the toothbrush head, and wherein the driver is mounted on the translator element for displacement in the longitudinal direction.

45. (New) The toothbrush head of claim 24 wherein at least one of the drive couplers is integral with its respective bristle support and in positive engagement with the driver.

46. (New) The toothbrush head of claim 24 further comprising a spring biasing either the translator element or eccentric driver against at least one of the bristle supports.

47. (New) The toothbrush head of claim 24 wherein the translator element comprises a disengageable rotary coupling adapted to engage a drive element of a toothbrush hand piece.

48. (New) The toothbrush head of claim 24 wherein at least one of the bristle supports carries bristle tufts tilted in varying orientations, of varying cross sections, of varying lengths, or tilted at varying angles.

49. (New) An electric toothbrush comprising
a hand piece equipped with an electric drive; and
the toothbrush head of claim 24 releasably secured to the hand piece.

50. (New) A toothbrush head of an electric toothbrush, the brush head comprising a brush head carrier that is connectible to an electric toothbrush hand piece; a drive including a translator element; and several bristle supports that carry respective bristle sets and are movably mounted on the brush head carrier and drivable in an oscillatory manner by the drive; wherein said bristle supports are adapted to be coupled to the translator element of the drive by respective drive couplers; and wherein the bristle supports each have drive coupling means enabling them to be coupled to one or more eccentric drivers of the drive translator element which is adapted to be driven for rotation about a longitudinal axis.